1	2	3
5.	Solar Photovoltaic (SPV) Demonstration Programme	
	SPV Home Light	2 Lakhs
	SPV Lanterns	3 Lakhs
	SPV Power Plants	1.6 MW
6.	SPV Pumps	4000 Nos.
7.	Solar Thermal (ST) Energy	
	Solar Water Heating Systems (M.sq. collector area)	1.5 Lakh
	Solar Cooker	1.5 Lakh Nos.
8.	Wind Pumps & Hybrid Systems	1000 Nos. 250 KW
9.	Wind Power	1000 MW
10.	Small Hydro Power (SHP)	130 MW
11.	Biomass Power	314 MW
12.	Solar Power	141.5 MW
13.	Energy from Urban & Industrial wastes	42 MW

MW = Mega Watt; KW = Kilo Watt; M.sq. = Meter Square

Wind Power Potential in the Coastal States

383. SHRI B.J. PANDA: Will the Minister of NON-CONVENTIONAL ENERGY SOURCES be pleased to state:

(a) the estimated gross wind power potential in the coastal States, State-wise;

(b) whether it is a fact that the entire wind power potential in these States have not been fully tapped;

(c) if so, the reasons therefor; and

(d) the steps taken to tap the full wind power in every State and particularly in Orissa?

THE MINISTER OF STATE OF THE MINISTRY OF NON-CONVENTIONAL ENERGY SOURCES (SHRI M. KANNAPPAN): (a) to (c) The gross wind power potential in the country has been estimated at about 45,000 MW. The technical potential which can be tapped is, however, about 13,000 MW. A

Statement on the gross/technical potential, State-wise, including coastal States, is annexed. (*See* below)

Of the technical potential, 1340 MW has so far been tapped. Wind power projects are mainly set up as commercial projects through private investments. The setting up of further wind power capacity and tapping of the potential depends mainly on the availability of financing on attractive terms and a suitable policy environment for generation of power from these projects in the potential States.

(d) 208 potential sites in 13 States/UTs have been identified for wind power projects. Fiscal and promotional incentives are available for commercial projects. Attractive policies have been announced in most of the potential States for wheeling, banking and buy-back of electricity generated from wind power projects. Soft loans are also available from Indian Renewable Energy Development Agency (IREDA) for wind power projects. Even though six potential sites have been identified in Orissa, no commercial wind power projects have come up in the State, as a conducive policy for private sector wind power projects has not been announced so far by the State Government.

Statement

Gross Technical wind power potential

Sl. No.	State	Gross Potential (MW)	Technical Potential (MW)
1.	Andhra Pradesh	8275	1550
2.	Gujarat	9675	1750
3.	Karnataka	6620	1025
4.	Kerala	875	605
5.	Madhya Pradesh	5500	1200
6.	Maharashtra	3650	2990
7.	Orissa	1700	680
8.	Rajasthan	5400	885
9.	Tamil Nadu	3050	1700
10.	West Bengal	450	450
	TOTAL:	45195	12835